



Indiana State  
Department of Health

Companion Guide—

270/271 Eligibility Transaction

CG270271

Companion Guide – 270/271 Eligibility Transactions

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## ***Revision History***

<b>Document Version Number</b>	<b>Revision Date</b>	<b>Revision Page Number(s)</b>	<b>Reason for Revisions</b>	<b>Revisions Completed By</b>
Version 1.0	September 2003	All	New document	ISDH HIPAA / EDI
Version 2.0	May 2008		NPI update	ISDH HIPAA / EDI

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## Section 1: Introduction

### Overview

The *Health Insurance Portability and Accountability Act of 1996* (HIPAA) legislation mandates that many of the major health care electronic data exchanges, such as electronic claims and remittance advices, be standardized into the same national format for all payers, providers, and clearinghouses. All providers who submit governed data electronically to the Indiana State Department of Health (ISDH) must submit in the mandated HIPAA formats by October 16, 2003.

HIPAA specifically names several electronic standards that must be followed when certain health care information is exchanged. These standards are published as *National Electronic Data Interchange Transaction Set Implementation Guides*. They are commonly called *Implementation Guides (IGs)* and are referred to as *IGs* throughout this document. The following table lists the adopted standards and the related ISDH business categories.

Table 1.1. – Standards and Business Categories

Business Category	Transaction Name/Implementation Guide (IG) including addendums	Description
Eligibility Verification	ASC X12N 270/271 (004010X092)	Health Care Eligibility Benefit Inquiry and Response

The ASC *X12N IGs* are available for download through the Washington Publishing Company Web site at <http://hipaa.wpc-edi.com>. Information on the *National Council for Prescription Drug Programs (NCPDP) IGs* is available through their Web site at <http://www.ncpdp.org>. Developers should have copies of the respective IGs prior to beginning the development process.

ISDH has developed technical companion guides to assist application developers during the implementation process and are available for download at <http://www.in.gov/isdh/programs/cshcs> or by contacting the EDI Help Desk by telephone at 317/233-1351 or toll-free at 800/475-1355.

The information contained in the *ISDH Companion Guide* is only intended to supplement the adopted *IGs* and provide guidance and clarification as it applies to ISDH. The *ISDH Companion Guide* is never intended to modify, contradict, or reinterpret the rules established in the *IGs*.

The companion guide is categorized into four sections:

1. Introduction
2. Communication and Data Exchange Technical Specifications and Interchange Control Structure
3. Transaction Specifications
4. Acknowledgments

This section, *Introduction*, provides general implementation information as well as specific instructions that apply to all transactions. Section 2 identifies the methods of communication available and data exchange options and both inbound and outbound interchange control structures. Section 3 contains transaction specific documentation, including segment usage, to assist developers in coding each transaction. Finally, Section 4 lists the acknowledgment to be returned to the original sender.

## Trading Partner Profiles, Trading Partner Agreements, and Testing

There are three levels of transaction testing required before an application is considered approved. These testing levels include the following:

- Compliance Testing
- ISDH Specification Validation Testing
- End-to-End Testing

Prior to testing, anyone wanting to exchange information electronically with ISDH must complete and submit a trading partner profile and a signed trading partner agreement. A trading partner is an entity with whom an organization exchanges data electronically. The trading partner may send or receive information electronically. For additional information about trading partner profiles, trading partner agreements, and the testing process or to obtain copies of these documents, please visit our web site at <http://www.in.gov/isdh/programs/cshcs> or contact the EDI Help Desk by telephone at 317/233-1351 or toll-free at 800/475-1355.

A software vendor or application development organization is not required to sign and submit a trading partner agreement but is required to complete a trading partner profile and participate in the established testing process. Any other covered entity, such as a clearinghouse, is obligated to complete the trading partner agreement as well as the trading partner profile.

## Data Flow

ISDH requires that all transactions for electronically exchanging data must be submitted in batch mode. Section 2 provides communication specifications for data exchange.

For each functional group that ISDH receives, ISDH will return a 997 – *Functional Acknowledgment*. The 997 acknowledges the receipt of the file and reports any data compliance issues. ISDH expects to receive a 997 – *Functional Acknowledgment* from the trading partner for any functional groups that they receive from ISDH. For additional information about the use of the 997 transaction, refer to *Section 4: Acknowledgments*, of this companion guide.

A batch request or inquiry transaction, 270, results in the creation of the response transaction, 271. The ISDH posts the responses within a reasonable amount of time for the requestor to retrieve. Section 2 provides communication specifications for data exchange.

## Processing Assumptions

Some transactions are created and generated by, or on behalf of, a provider. Others are created by ISDH either in response to a request received from a provider or as a means to provide pertinent information to providers or managed care organizations. Several processing assumptions must be stated that could include inbound (to ISDH) transactions or outbound (from ISDH) transactions. The following list identifies each transaction by ISDH definition as inbound or outbound:

Table 1.2 – ISDH Transaction Definition

Inbound	Outbound
270	271 & 997, 824

## Basic Technical Information

The following list includes basic technical information for each transaction:

- The following delimiters are used for all outbound transactions:
  - \* (Asterisk) = Data element separator
  - : (Colon) = Sub-element separator
  - ~ (Tilde) = Segment terminator
- See the *IG* for clarification on amount and quantity field formats.
- ISDH is referred to as 'ISDH' in applicable Submitter and Receiver segments.
- The *TA1 – Interchange Acknowledgment*, is generated when an interchange error occurs.
- The *997 – Functional Acknowledgment*, is generated in response to all inbound transactions received by ISDH from a trading partner.
- The *997 – Functional Acknowledgment*, is expected from the trading partner in response to all outbound transactions created by ISDH.
- Required data elements considered noncritical to ISDH processing that must be returned on outbound transactions are returned as they appear on the inbound transaction.
- If one item within a functional group is noncompliant, the entire transaction, ST-SE, is rejected.

## **Section 2: Communication and Data Exchange Technical Specifications and Interchange Control Structure**

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### **Communication Overview**

This section identifies the methods of data transmission available for submitting and receiving transaction data to and from ISDH. ISDH accepts batch submissions utilizing SFTP. These transmissions are processed daily.

### **Secure File Transfer Protocol SFTP:**

The following tables illustrate the ISDH information that will be needed for providers.

<b>Parameter</b>	<b>Value</b>
<b>Hostname</b>	sftp.in.gov
<b>Port number</b>	22
<b>User name</b>	Provided in Set Up Sheet
<b>Password</b>	Sent in separate e-mail.

The following information may be required for trouble shooting records:

1. Is a proxy server in use?
2. Is port 22 enabled for outbound on the network?

### **ISDH SFTP User Account Setup and Password Reset Procedures:**

These procedures will be separated into two parts; the first covering the initial establishment of SFTP User Account for ISDH providers and the second part covering procedures and security measures to be taken when resetting User passwords.

ISDH will request a new SFTP user account be established by the State of Indiana Office of Technology (IOT). ISDH will ensure that the account is active and forward the User Name and temporary password to the Trading Partner Point of



Contact (POC). ISDH will forward the POC information to IOT. IOT password policies may be viewed through the following link:

<http://intranet.iot.in.gov/security/Shared%20Documents/Practice%208.2.1%20-%20End%20User%20Password%20Minimums.pdf>

Point of contact information must include the following information for a Primary and Alternate POC:

1. Name.
2. Title
3. Telephone number
4. e-mail address

Password reset procedures:

1. When a provider requires a password reset they will contact ISDH EDI who will verify their contact information.
2. Once the contact information has been confirmed the request will be forwarded to the IOT Helpdesk.
  - a. **No passwords will be CHANGED** without a documented request from the provider's designated contact person (this can be in electronic format), who has been confirmed by ISDH EDI personnel.

The following link provides a location to download winscp376 the SFTP client used in the following examples. The link also contains Psftp and Puttygen.exe files that can be used when developing automated scripts for transferring files.

<https://extranet.in.gov/sftp/base/>

## Data Exchange Overview

*Appendix A, Section A.1.1* of each *X12N HIPAA Implementation Guide* provides detail about the rules for ensuring integrity and maintaining the efficiency of data exchange. Data files are transmitted in an *electronic envelope*. The communication envelope consists of an interchange envelope and functional groups. The interchange control structure is used for inbound and outbound files. An inbound interchange control structure is the envelope that wraps all transaction data (ST-SE) sent to ISDH for processing. The 270 is an inbound transaction to ISDH. An outbound interchange control structure wraps transactions that are created by ISDH and returned to the requesting provider. 271 is ISDH's outbound response transaction. The following tables define the use of this control structure as it relates to communication with ISDH.

## Inbound Transactions

Segment Name	Interchange Control Header		
Segment ID	ISA		
Loop ID	N/A		
Usage	Required		
Segment Notes	The ISA is a fixed record length segment, and all positions within each of the data elements must be filled. The ISA segment is a 105 byte fixed length record. Delimiters are specified in the interchange header segment.		
	The character immediately following the segment ID, <i>ISA</i> , defines the data elements separator. The component element separator is defined in the last character in the segment, and the segment terminator is the byte that immediately follows the component element separator. Examples of the separators are as follows:		
	<b>Character</b>	<b>Name</b>	<b>Delimiter</b>
	*	Asterisk	Data Element Separator
	:	Colon	Subelement Separator
	~	Tilde	Segment Terminator
While it is not required that submitters use these specific delimiters, they are the ones that the ISDH uses on all outbound transactions.			
Example	ISA*00* .....*00*.....*ZZ* *930602*1253*U*00401*000000999*1*P*:~ ZZ*ISDH		

Element ID	Usage	Guide Description/Valid Values	Comments
ISA01	R	Authorization Information Qualifier <b>00</b> – No Authorization Information Present	
ISA02	R	Authorization Information Insert 10 blanks	Always blank. Insert 10 blank spaces.
ISA03	R	Security Information Qualifier <b>00</b> – No Security Information Present	
ISA04	R	Security Information Insert 10 blanks	Always blank. Insert 10 blank spaces.
ISA05	R	Interchange ID Qualifier <b>ZZ</b> - Mutually Defined	
ISA06	R	Interchange Sender ID	This is the sender ID that is assigned to the trading partner by ISDH. This field has a required length of 15 bytes; therefore, the field must be padded with spaces to the right.
ISA07	R	Interchange ID Qualifier <b>ZZ</b> - Mutually Defined	
ISA08	R	Interchange Receiver ID	This field has a required length of 15 bytes; therefore, it will be

Element ID	Usage	Guide Description/Valid Values	Comments
		<b>ISDH</b>	padded with 11 spaces to the right.
ISA09	R	Interchange Date	
ISA10	R	Interchange Time	
ISA11	R	Interchange Control Standards Identifier <b>U</b> - U.S. EDI Community of ASC X12, TDCC, and UCS	
ISA12	R	Interchange Control Version Number <b>00401</b> – Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	
ISA13	R	Interchange Control Number	The interchange control number is created by the submitter and must be identical to the associated Interchange Trailer (IEA02). This 9 byte field is numeric and must be zero filled. This number should be unique and increment by 1 with each ISA segment.
ISA14	R	Acknowledgment Requested <b>0</b> - No acknowledgment requested <b>1</b> - Interchange Acknowledgment Requested	ISDH always creates an acknowledgment file for each functional group received regardless of whether this field is set to 0 or 1.
ISA15	R	Usage Indicator <b>P</b> - Production Data <b>T</b> - Test Data	During testing the usage indicator entered must be <b>T</b> . After testing approval, <b>P</b> must be entered.
ISA16	R	Component Element Separator	The component element separator is a delimiter and not a data element. This field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.

Segment Name	Functional Group Header
Segment ID	GS
Loop ID	N/A
Usage	Required
Segment Notes	
Example	GS*HS* *CSHCS*20020606*105531*1*X*004010X092A1~

Element ID	Usage	Guide Description/Valid Values	Comments
GS01	R	Functional Identifier Code <b>HS</b> - Eligibility, Coverage or Benefit Inquiry (270)	Enter the appropriate identifier to designate the type of transaction data to follow the GS segment.
GS02	R	Application Sender's Code	This is the sender ID that is assigned to the trading partner by the ISDH. This may or may not match the ISA06
GS03	R	Application Receiver's Code <b>CSHCS</b>	Children's Special Health Care Services
GS04	R	Date	
GS05	R	Time	
GS06	R	Group Control Number	Assigned number originated and maintained by the sender. This must match the number in the corresponding GE02 data element on the GE group trailer segment.
GS07	R	Responsible Agency Code <b>X</b> – Accredited Standards Committee X12	
GS08	R	Version / Release / Industry Identifier Code <b>004010X092A1</b>	

Segment Name	Functional Group Trailer
Segment ID	GE
Loop ID	N/A
Usage	Required
Segment Notes	
Example	GE*1*1~

Element ID	Usage	Guide Description/Valid Values	Comments
GE01	R	Number of Transaction Sets Included	Enter the number of transaction sets included in this functional group.
GE01	R	Group Control Number	Group control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Segment Name	Interchange Control Trailer
Segment ID	IEA
Loop ID	N/A
Usage	Required
Segment Notes	
Example	IEA*1*000000999~

Element ID	Usage	Guide Description/Valid Values	Comments
IEA01	R	Number of Included Functional Groups	Enter the number of functional groups included in this interchange envelope.
IEA02	R	Interchange Control Number	Interchange control number IEA02 in this trailer must be identical to the same data element in the associated interchange control header, ISA13, including padded zeros.

### Sample Inbound Interchange Control

This example illustrates a file that includes 270 transactions.

```

ISA*00* .....*00*.....*ZZ*                *ZZ*ISDH
*930602*1253*U*00401*000000999*1*P*:~
GS*HS*  *CSHCS*20020606*105531*1*X*004010X092A1~
ST - 270 TRANSACTION SET HEADER
DETAIL SEGMENTS
SE - 270 TRANSACTION SET TRAILERGE*1*5~
GE*1*1~
GS*HS*  *CSHCS*20020606*105531*2*X*004010X092A1~
ST - 270 TRANSACTION SET HEADER
DETAIL SEGMENTS
SE - 270 TRANSACTION SET TRAILERGE*1*5~
GE*1*2~
IEA*1*000000999~

```

## Outbound Transactions

Segment Name	Interchange Control Header		
Segment ID	ISA		
Loop ID	N/A		
Usage	Required		
Segment Notes	The ISA is a fixed record length segment, and all positions within each of the data elements must be filled. The ISA segment is a 105 byte fixed length record. Delimiters are specified in the interchange header segment. The ISDH always uses the following delimiters in outbound transactions.		
	Character	Name	Delimiter
	*	Asterisk	Data Element Separator
	:	Colon	Subelement Separator
	~	Tilde	Segment Terminator
Example	ISA*00*                    *00*                    *ZZ*ISDH                    *ZZ* *930602*1253*U*00401*000000999*1*P*:~		

Element ID	Usage	Guide Description/Valid Values	Comments
ISA01	R	Authorization Information Qualifier <b>00</b> - No Authorization Information Present	
ISA02	R	Authorization Information	This field always includes 10 blank spaces.
ISA03	R	Security Information Qualifier <b>00</b> - No Security Information Present	
ISA04	R	Security Information	This field always contains 10 blank spaces.
ISA05	R	Interchange ID Qualifier <b>ZZ</b> - Mutually Defined	
ISA06	R	Interchange Sender ID <b>ISDH</b>	This field has a required length of 15 bytes; therefore it will be padded with 11 spaces to the right.
ISA07	R	Interchange ID Qualifier <b>ZZ</b> - Mutually Defined	
ISA08	R	Interchange Receiver ID	This is the receiver ID as assigned to the trading partner by ISDH. It is also the same as the ISA06 from the inbound transactions that the trading partner sent to ISDH. This field has a required length of 15 bytes; therefore, the field must be padded with spaces to the right.
ISA09	R	Interchange Date	The date format is YYMMDD.
ISA10	R	Interchange Time	The time format is HHMM.

Element ID	Usage	Guide Description/Valid Values	Comments
ISA11	R	Interchange Control Standards Identifier <b>U</b> - U.S. EDI Community of ASC X12, TDCC, and UCS	
ISA12	R	Interchange Control Version Number <b>00401</b> – Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	
ISA13	R	Interchange Control Number	This number is unique and increments by 1 with each ISA segment. It also matches the interchange control number of the IEA02 of the interchange control trailer.
ISA14	R	Acknowledgment Requested <b>1</b> - Interchange Acknowledgment Requested	
ISA15	R	Usage Indicator <b>P</b> - Production Data <b>T</b> – Test Data	During testing the usage indicator is <b>T</b> . After the trading partner is approved, the usage indicator is <b>P</b> .
ISA16	R	Component Element Separator	The component element separator is a delimiter and not a data element. This is always a colon (:).

Segment Name	Functional Group Header
<b>Segment ID</b>	GS
<b>Loop ID</b>	N/A
<b>Usage</b>	Required
<b>Segment Notes</b>	
<b>Example</b>	GS*HB*CSHCS* *20020606*105531*1*X*004010X092A1~

Element ID	Usage	Guide Description/Valid Values	Comments
GS01	R	Functional Identifier Code <b>HB</b> – Eligibility, Coverage or Benefit Information (271)	The data element contains the appropriate identifier to designate the type of transaction data to follow the GS segment.
GS02	R	Application Sender's Code <b>CSHCS</b>	Children's Special Health Care Services
GS03	R	Application Receiver's Code	This is the receiver id that is assigned to the trading partner by ISDH. It is also the same value as the GS02 from inbound transactions sent to ISDH from the trading partner

Element ID	Usage	Guide Description/Valid Values	Comments
GS04	R	Date	The date format is YYMMDD.
GS05	R	Time	The time format is HHMM.
GS06	R	Group Control Number	This data element contains a uniquely assigned number and matches the number in the corresponding GS02 data element on the GE group trailer segment.
GS07	R	Responsible Agency Code <b>X</b> – Accredited Standards Committee X12	
GS08	R	Version / Release / Industry Identifier Code <b>004010X092A1</b>	This data element contains the appropriate identifier to designate the identifier code for the type of transaction data to follow the GS segment.

Segment Name	Functional Group Trailer
Segment ID	GE
Loop ID	N/A
Usage	Required
Segment Notes	
Example	GE*1*1~

Element ID	Usage	Guide Description/Valid Values	Comments
GE01	R	Number of Transaction Sets Included	This data element contains the number of transaction sets included in this functional group.
GE02	R	Group Control Number	Group control number GE02 in this trailer is identical to the same data element in the associated functional group header, GS06.

Segment Name	Interchange Control Trailer
Segment ID	IEA
Loop ID	N/A
Usage	Required
Segment Notes	
Example	IEA*1*000000999~

Element ID	Usage	Guide Description/Valid Values	Comments
IEA01	R	Number of Included Functional Groups	This data element contains the number of functional groups included in this



			interchange envelope.
IEA02	R	Interchange Control Number	The interchange control number IEA02 in this trailer is identical to the same data element in the associated interchange control header, ISA13 (including padded zeros).

### **Sample Outbound Interchange Control**

This example illustrates a file that includes an 271 transaction:

```

ISA*00*                *00*                *ZZ*ISDH                *ZZ*
*930602*1253*U*00401*000000999*1*P*:~
GS*HB*CSHCS*          *20020606*105531*1*X*004010X092A1~
ST - 271 TRANSACTION SET HEADER
DETAIL SEGMENTS
SE - 271TRANSACTION SET TRAILER
GE*1*1~
IEA*1*000000999~
  
```

## Section 3: Eligibility Request and Response Transaction Specifications

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### Overview – ASC X12N 270 (04010X092A1) – Eligibility Request Transaction Specifications

The ASC X12N 270 (04010X092A1) transaction is the HIPAA-mandated method for submitting an eligibility request. The transaction may be designed to request general ISDH program eligibility information or program benefit limitations. ISDH will accept an unlimited number of 270 requests per day, however, we will be processing requests in batch mode once per 24 hour period given system availability.

This section is intended only as a companion guide and is not intended to contradict or replace any information in the *IG*.

It is highly recommended that implementers have the following resources available during the development process:

- This document - the Companion Guide – 270/271 *Eligibility Transaction*
- ASC X12N 270 – 271: Health Care Eligibility Benefit Inquiry and Response Implementation Guide (version 004010X092 & 4010X092A1)

### Maximums

ISDH does not limit the number of eligibility requests, however, keep in mind that ISDH is processing requests at the transaction set level and any error within a transaction set can cause the entire batch to be rejected.

### 997 Acknowledgement

A 997 – *Acknowledgement* is returned on all transactions submitted to ISDH.

### Segment Usage – 270

The following matrix lists all segments available for submission with the 4010 version of the 270 *IG*. Additionally, it includes a *Usage* column identifying segments that are required, situational, or not used by the ISDH. A required segment element must appear on all transactions. Failure to include a required segment results in a compliance error. A situational segment is not required on every type of transaction; however, a situational segment may be required under certain circumstances. Any data in a segment identified in the *Usage* column with an **X** is ignored by the ISDH. Any segment identified in the *Usage* column as required, or situational, is explained in detail in this section. Any element identified as, *Not Used by ISDH*, is not required for processing by ISDH.

Table 3.1 – 270 Segments

<b>Segment ID</b>	<b>Loop ID</b>	<b>Segment Name</b>	<b>ISDH Usage R – Required S- Situational X – Not Used</b>
ST	N/A	Transaction Set Header	R
BHT	N/A	Beginning of Hierarchical Transaction	R
HL	2000A	Information Source Level	R
NM1	2100A	Information Source Name	R
HL	2000B	Information Receiver Level	R
NM1	2100B	Receiver Name	R
REF	2100B	Receiver Additional Identification	X
N3	2100B	Information Receiver Address	X
N4	2100B	Information Receiver City/State/ZIP Code	X
PER	2100B	Information Receiver Contact Information	X
PRV	2100B	Information Receiver Provider Information	X
HL	2000C	Subscriber Level	R
TRN	2000C	Subscriber Trace Number	S
NM1	2100C	Subscriber Name	R
REF	2100C	Subscriber Additional Identification	S
N3	2100C	Subscriber Address	X
N4	2100C	Subscriber City/State/ZIP Code	X
PRV	2100C	Provider Information	X
DMG	2100C	Subscriber Demographic Information	S
INS	2100C	Subscriber Relationship	X
DTP	2100C	Subscriber Date	S
EQ	2110C	Subscriber Eligibility or Benefit Inquiry Information	S
AMT	2110C	Subscriber Spend Down Amount	X
III	2110C	Subscriber Eligibility or Benefit Additional Inquiry Information	X
REF	2110C	Subscriber Additional Information	X
DTP	2110C	Subscriber Eligibility/Benefit Date	X
HL	2000D	Dependent Level	X
TRN	2000D	Dependent Trace Number	X
NM1	2100D	Dependent Name	X
REF	2100D	Dependent Additional Identification	X
N3	2100D	Dependent Address	X
N4	2100D	Dependent City/State/ZIP Code	X

Table 3.1 – 270 Segments

Segment ID	Loop ID	Segment Name	ISDH Usage R – Required S- Situational X – Not Used
PRV	2100D	Provider Information	X
DMG	2100D	Dependent Demographic Information	X
INS	2100D	Dependent Relationship	X
DTP	2100D	Dependent Date	X
EQ	2110D	Dependent Eligibility or Benefit Inquiry Information	X
III	2110D	Dependent Eligibility or Benefit Additional Inquiry Information	X
REF	2110D	Dependent Additional Information	X
DTP	2110D	Dependent Eligibility/Benefit Date	X
SE	N/A	Transaction Set Trailer	R

## Segment and Data Element Description

This section contains tables representing segments that are required or situational for ISDH implementation of the 270 transaction. Each segment table contains rows and columns describing different elements of the segment.

Segment Name – The industry assigned segment name identified in the *IG*.

Segment ID – The industry assigned segment ID identified in the *IG*.

Loop ID – The loop where the segment should appear.

Usage – This identifies the segment as required or situational.

Segment Notes – A brief description of the purpose or use of the segment including ISDH-specific usage.

Example – An example of complete segment.

Element ID – The industry assigned element ID identified in the *IG*.

Usage – This identifies the data element as R-required, S-situational, or N/A-not used.

Guide Description/Valid Values – Industry name associated with the data element. If no industry name exists, this is the *IG* data element name. This column also lists in **BOLD** the values and/or code set to use.

Comments – Description of the contents of the data elements, including field lengths.

Segment Name	Transaction Set Header		
Segment ID	ST		
Loop ID	N/A		
Usage	Required		
Segment Notes	This segment is used to indicate the start of the transaction.		
Example	ST*270*000121~		

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code <b>270</b>	
ST02	R	Transaction Set Control Number	This number is assigned locally by the sender and should match the value in the corresponding SE segment.

Segment Name	Beginning of Hierarchical Transaction		
Segment ID	BHT		
Loop ID	N/A		

<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to provide the transaction creation date and time and the identifier. Audit information is based on the Transaction Set Creation Date (BHT04)
<b>Example</b>	BHT*0022*13**20021010*0800*~

Element ID	Usage	Guide Description/Valid Values	Comments
BHT01	R	Hierarchical Structure Code <b>0022</b> - Information Source	
BHT02	R	Transaction Set Purpose Code <b>13</b> – Request	
BHT03	S	Submitter Transaction Identifier	Not Used
BHT04	R	Transaction Set Creation Date	
BHT05	R	Transaction Set Creation Time	
BHT06	S	Transaction Type Code	Not Used by ISDH

Segment Name	Information Source Level
<b>Segment ID</b>	HL
<b>Loop ID</b>	2000A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the information level (source).
<b>Example</b>	HL*1**20*1~

Element ID	Usage	Guide Description/Valid Values	Comments
HL01	R	Hierarchical ID Number	
HL02	N/A	Hierarchical Parent ID Number	Not Used
HL03	R	Hierarchical Level Code <b>20</b> – Information Source	
HL04	R	Hierarchical Child Code <b>1</b> – Additional Subordinate HL Data Segment in this hierarchical structure	

Segment Name	Information Source Name
<b>Segment ID</b>	NM1
<b>Loop ID</b>	2100A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the entity receiving the eligibility request.
<b>Example</b>	NM1*PR*2*CHILDREN'S SPECIAL HEALTH CARE*****FI*356000158**~

Element ID	Usage	Guide Description/Valid Values	Comments
NM101	R	Entity Identifier Code <b>PR</b> - Payer	
NM102	R	Entity Type Qualifier <b>2</b> – Non-Person Entity	
NM103	S	Information Source Last or Organization Name <b>Children's Special Health Care</b>	
NM104	S	Information Source First Name	Not used by ISDH
NM105	S	Information Source Middle Name	Not used by ISDH
NM106	N/A	Name Prefix	Not Used by ISDH
NM107	S	Information Source Name Suffix	Not used by ISDH
NM108	R	Identification Code Qualifier <b>FI</b> – Federal Tax Payer Identification Number	
NM109	R	Information Source Primary Identifier <b>356000158</b>	
NM110	N/A	Entity Relationship Code	Not Used
NM111	N/A	Entity Identifier Code	Not Used

Segment Name	Information Receiver Level
<b>Segment ID</b>	HL
<b>Loop ID</b>	2000B
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the information level (receiver).
<b>Example</b>	HL*2*1*21*1~

Element ID	Usage	Guide Description/Valid Values	Comments
HL01	R	Hierarchical ID Number	
HL02	R	Hierarchical Parent ID Number	
HL03	R	Hierarchical Level Code <b>21</b> – Information Receiver	
HL04	R	Hierarchical Child Code <b>1</b> – Additional Subordinate HL Data Segment in this hierarchical structure	

Segment Name	Information Receiver Name
<b>Segment ID</b>	NM1

<b>Loop ID</b>	2100B
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the entity who is initiating the request The Information Receiver Identification Number (NM109) is National Provider Identifier Number (NPI)
<b>Example</b>	NM1*1P*2*****XX*1234567890**~

Element ID	Usage	Guide Description/Valid Values	Comments
NM101	R	Entity Identifier Code <b>1P</b> - Provider	
NM102	R	Entity Type Qualifier	
NM103	S	Organization Name	
NM104	S	Information Receiver First Name	Not Used by ISDH
NM105	S	Information Receiver Middle Name	Not Used by ISDH
NM106	N/A	Name Prefix	Not Used
NM107	S	Information Receiver Name Suffix	Not Used by ISDH
NM108	R	Identification Code Qualifier <b>XX</b> – National Provider Identifier (NPI)	
NM109	R	Information Receiver Identification Number	If XX-NPI is sent in NM108, enter the 10-digit NPI. This value will be required when NPI is mandated for use.
NM110	N/A	Entity Relationship Code	Not Used
NM111	N/A	Entity Identifier Code	Not Used

Segment Name	Subscriber Level
<b>Segment ID</b>	HL
<b>Loop ID</b>	2000C
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the information level (subscriber).
<b>Example</b>	HL*3*2*22*1~

Element ID	Usage	Guide Description/Valid Values	Comments
HL01	R	Hierarchical ID Number	
HL02	R	Hierarchical Parent ID Number	
HL03	R	Hierarchical Level Code <b>22</b> – Subscriber	
HL04	R	Hierarchical Child Code <b>0</b> – No Subordinate HL Segment in	This element is always '0' because the dependent level is not supported by the ISDH.



		this hierarchical structure	
--	--	-----------------------------	--

Segment Name	Subscriber Trace Number
Segment ID	TRN
Loop ID	2000C
Usage	Situational
Segment Notes	<ul style="list-style-type: none"> <li>This segment is Not Used by the ISDH. The information sent in this segment is returned in the 271.</li> <li>This segment can repeat 2 times.</li> </ul>
Example	TRN*1*1234667890*9876543210*~

Element ID	Usage	Guide Description/Valid Values	Comments
TRN01	R	Trace Type Code <b>1</b> – Current Transaction Trace Numbers	
TRN02	R	Trace Number	
TRN03	R	Trace Assigning Entity Identifier	This must be a length of 10 characters.
TRN04	S	Trace Assigning Entity Additional Identifier	Not Used by ISDH

*Note: There are several search options available when inquiring about member eligibility. This segment, Subscriber Name, and the two following segments, Subscriber Additional Identification, and Subscriber Demographic Information each contain data elements used for searches. Depending on the search criteria used, one or more of the segments may be required.*

Table 3.2 – Search Criteria

Search Criteria	Segment/Data Element	Example
Patient ID	NM1 (2100C LOOP)/NM109	NM1*IL*1*DOE*JANE****MI*100222 *
Patient Name/DOB	NM1 (2100C LOOP)/NM103 NM1 (2100C LOOP)/NM104 DMG (2100C LOOP)/DMG02	NM1*IL*1*DOE*JANE~ DMG*D8*19621016~

Segment Name	Subscriber Name
Segment ID	NM1
Loop ID	2100C

<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the subscriber whose information is being requested.
<b>Example</b>	NM1*1L*1*DOE*JANE*****MI*123456**~

Element ID	Usage	Guide Description/Valid Values	Comments
NM101	R	Entity Identifier Code <b>1L</b> – Insured or Subscriber	
NM102	R	Entity Type Qualifier <b>1</b> - Person	
NM103	S	Subscriber Last Name	
NM104	S	Subscriber First Name	
NM105	S	Subscriber Middle Name	Not Used by ISDH
NM106	N/A	Name Prefix	Not Used
NM107	S	Subscriber Name Suffix	Not Used by ISDH
NM108	S	Identification Code Qualifier <b>MI</b> – Member Identification Number	
NM109	S	Subscriber Primary Identifier	This is the CSHCS assigned 6 digit number
NM110	N/A	Entity Relationship Code	Not Used
NM111	N/A	Entity Identifier Code	Not Used

Segment Name	Subscriber Additional Identification
<b>Segment ID</b>	REF
<b>Loop ID</b>	2100C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide the health insurance claim number and the Social Security Number that may be used as search criteria.  The qualifier 'EJ' (patient account number) is not used by the ISDH. If this information is sent in this segment, it is returned in the 271.
<b>Example</b>	REF*SY*123456789**~

Element ID	Usage	Guide Description/Valid Values	Comments
REF01	R	Reference Identification Qualifier <b>SY</b> – Social Security Number	The provider specific patient account number (EJ) is a not valid search criterion. If this information is sent, it is returned in the 271.
REF02	R	Subscriber Supplemental Identifier	Use this reference number as qualified by the preceding data element (REF01)
REF03	N/A	Description	Not Used
REF04	N/A	Reference Identifier	Not Used

Segment Name	Subscriber Demographic Information
Segment ID	DMG
Loop ID	2100C
Usage	Situational
Segment Notes	This segment is used to provide the subscriber's date of birth.
Example	DMG*D8*19851031*****~

Element ID	Usage	Guide Description/Valid Values	Comments
DMG01	S	Date Time Period Format Qualifier	
DMG02	S	Subscriber Birth Date	
DMG03	S	Gender Code	Not Used by ISDH
DMG04	N/A	Marital Status Code	Not Used
DMG05	N/A	Race or Ethnicity Code	Not Used
DMG06	N/A	Citizenship Status Code	Not Used
DMG07	N/A	Country Code	Not Used
DMG08	N/A	Basis of Verification Code	Not Used
DMG09	N/A	Quantity	Not Used

Segment Name	Subscriber Date
Segment ID	DTP
Loop ID	2100C
Usage	Situational
Segment Notes	This segment is used to submit the request date/date range for the eligibility inquiry. If this segment is not sent or is in an invalid format, the Transaction Set Creation Date (BHT04) is used as the eligibility time period requested.
Example	DTP*307*RD8*20021201-20021231~

Element ID	Usage	Guide Description/Valid Values	Comments
DTP01	R	Date/Time Qualifier 307 - Eligibility	
DTP02	R	Date Time Period Format Qualifier	
DTP03	R	Date Time Period	There is a one-month limitation for the date range.

Segment Name	Subscriber Eligibility or Benefit Inquiry Information
Segment ID	EQ

<b>Loop ID</b>	2110C
<b>Usage</b>	Situational
<b>Segment Notes</b>	<ul style="list-style-type: none"> <li>• ISDH only supports Service Type Code of 30, Health Benefit Plan Coverage</li> <li>• A Service Type Code of 30 returns only basic eligibility information.</li> </ul>
<b>Example</b>	EQ*30***~

Element ID	Usage	Guide Description/Valid Values	Comments
EQ01	S	Service Type Code <b>30</b> – Health Benefit Plan Coverage	
EQ02	S	Composite Medical Procedure Identifier	Not Used by ISDH
EQ02-1	R	Product or Service ID Qualifier	Not Used by ISDH
EQ02 –2	R	Procedure Code	Not Used by ISDH
EQ02 –3	S	Procedure Modifier	Not Used by ISDH
EQ02 – 4	S	Procedure Modifier	Not Used by ISDH
EQ02 – 5	S	Procedure Modifier	Not Used by ISDH
EQ02 – 6	S	Procedure Modifier	Not Used by ISDH
EQ02 – 7	N/A	Description	Not Used
EQ03	S	Benefit Coverage Level Code	Not Used by ISDH
EQ04	S	Insurance Type Code	Not Used by ISDH

Segment Name	Transaction Set Trailer
<b>Segment ID</b>	SE
<b>Loop ID</b>	N/A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to indicate the end of the transaction.
<b>Example</b>	SE*15*0000121~

Element ID	Usage	Guide Description/Valid Values	Comments
SE01	R	Number of Included Segments	
SE02	R	Transaction Set Control Number	This number is assigned locally by the sender and should match the value in the corresponding ST 2segment.

### Example of 270 Transaction

```

ST*270*000121~
BHT*0022*13**20021010*0800*~
HL*1**20*1~
NM1*PR*2*CHILDREN'S SPECIAL HEALTH
CARE*****FI*356000158**~

```

*Companion Guide – 270 Eligibility Transaction*

HL\*2\*1\*21\*1~  
NM1\*1P\*2\*\*\*\*\*SV\*123456\*\*~  
HL\*3\*2\*22\*1~  
TRN\*1\*1234667890\*9876543210\*~  
NM1\*1L\*1\*DOE\*JANE\*\*\*\*MI\*123456\*\*~  
REF\*SY\*123456789\*\*~  
DMG\*D8\*19851031\*\*\*\*\*~  
DTP\*307\*RD8\*20021201-20021231~  
EQ\*30\*\*\*~  
SE\*15\*0000121~

## ASC X12N 271 (04010X092A1) – Eligibility Response Transaction Specifications

The ASC X12N 271 (04010X092) transaction is the HIPAA mandated vehicle to return an eligibility response. The transaction is designed to return general ISDH program eligibility information requested by the 270 – *Eligibility Request* transaction. The 271 – Eligibility Response transaction is returned in batch mode.

This section is intended only as a companion guide and is not intended to contradict or replace any information in the *IG*.

It is highly recommended that implementers have the following resources available during the development process:

- This document – *271 Transaction Companion Guide*
- ASC X12N 270 (004010X092 and 004010X092A1)

### Segment Usage – 271

The following matrix lists all segments available for submission on the 4010 version of the *271 Implementation Guide*. Additionally, it includes a *Usage* column that identifies segments as required, situational, or not used by ISDH. A required segment element must appear on all transactions. Failure to include a required segment results in a compliance error. A situational segment is not required on every type of transaction; however, a situational segment may be required under certain circumstances. Any data in a segment identified in the *Usage* column with an **X** is ignored by ISDH. Any segment identified in the *Usage* column as required or situational is explained in detail in this section.

Table 3.3 – 271 Segments

Segment ID	Loop ID	Segment Name	ISDH Usage R – Required S- Situational X – Not Used
ST	N/A	Transaction Set Header	R
BHT	N/A	Beginning of Hierarchical Transaction	R
HL	2000A	Information Source Level	R
AAA	2000A	Request Validation	X
NM1	2100A	Information Source Name	R
REF	2100A	Information Source Additional Identification	X
PER	2100A	Information Source Contact Information	S
AAA	2100A	Request Validation	S
HL	2000B	Information Receiver Level	S

Table 3.3 – 271 Segments

Segment ID	Loop ID	Segment Name	ISDH Usage R – Required S- Situational X – Not Used
NM1	2100B	Information Receiver Name	R
REF	2100B	Information Receiver Additional Identification	S
AAA	2100B	Information Receiver Request Validation	S
HL	2000C	Subscriber Level	S
TRN	2000C	Subscriber Trace Number	S
NM1	2100C	Subscriber Name	R
REF	2100C	Subscriber Additional Identification	S
N3	2100C	Subscriber Address	S
N4	2100C	Subscriber City/State/ZIP Code	S
PER	2100C	Subscriber Contact Information	X
AAA	2100C	Subscriber Request Validation	S
DMG	2100C	Subscriber Demographic Information	S
INS	2100C	Subscriber Relationship	X
DTP	2100C	Subscriber Date	S
EB	2110C	Subscriber Eligibility or Benefit Information	S
HSD	2110C	Health Care Services Delivery	X
REF	2110C	Subscriber Additional Information	S
DTP	2110C	Subscriber Eligibility/Benefit Date	X
AAA	2110C	Subscriber Request Validation	X
MSG	2110C	Message Text	X
III	2115C	Subscriber Eligibility or Benefit Additional Information	X
LS	2115C	Loop Header	X
NM1	2120C	Subscriber Benefit Related Entity Name	X
N3	2120C	Subscriber Benefit Related Entity Address	X
N4	2120C	Subscriber Benefit Related Entity City/State/ZIP Code	X
PER	2120C	Subscriber Benefit Related Entity Contact Information	X
PRV	2120C	Subscriber Benefit Related Entity Provider Information	X
LE	2120C	Loop Trailer	X
HL	2000D	Dependent Level	X
TRN	2000D	Dependent Trace Number	X
NM1	2100D	Dependent Name	X
REF	2100D	Dependent Additional Identification	X
N3	2100D	Dependent Address	X

Table 3.3 – 271 Segments

Segment ID	Loop ID	Segment Name	ISDH Usage R – Required S- Situational X – Not Used
N4	2100D	Dependent City/State/ZIP Code	X
PER	2100D	Dependent Contact Information	X
AAA	2100D	Dependent Request Validation	X
DMG	2100D	Dependent Demographic Information	X
INS	2100D	Dependent Relationship	X
DTP	2100D	Dependent Date	X
EB	2110D	Dependent Eligibility or Benefit Information	X
HSD	2110D	Health Care Services Delivery	X
REF	2110D	Dependent Additional Identification	X
DTP	2110D	Dependent Eligibility/Benefit Date	X
AAA	2110D	Dependent Request Validation	X
MSG	2110D	Message Text	X
III	2115D	Dependent Eligibility or Benefit Additional Information	X
LS	2110D	Dependent Eligibility or Benefit Information	X
NM1	2120D	Dependent Benefit Related Entity Name	X
N3	2120D	Dependent Benefit Related Entity Address	X
N4	2120D	Dependent Benefit Related Entity City/State/ZIP Code	X
PER	2120D	Dependent Benefit Related Entity Contact Information	X
PRV	2120D	Dependent Benefit Related Entity Provider Information	X
LE	2120D	Loop Trailer	X
SE	N/A	Transaction Set Trailer	R

## Segment and Data Element Description

This section contains tables representing any segment that is required or situational for the ISDH HIPAA implementation of the 271 transaction. Each segment table contains rows and columns describing different elements of the segment.

Segment Name – The industry assigned segment name identified in the *Implementation Guide (IG)*.

Segment ID – The industry assigned segment ID identified in the *IG*.

Loop ID – The loop within which the segment should appear.

Usage – Identifies the segment as required or situational.



Segment Notes – A brief description of the purpose or use of the segment including ISDH specific usage.

Example – An example of complete segment.

Element ID – The industry assigned element ID identified in the *IG*.

Usage – Identifies the data element as R-required, S-situational, or N/A-not used.

Guide Description/Valid Values – Industry name associated with the data element. If no industry name exists, this is the *IG* data element name. This column also lists in **BOLD** the values and/or code set to use.

Comments – Description of the contents of the data elements, including field lengths.

Segment Name	Transaction Set Header		
Segment ID	ST		
Loop ID	N/A		
Usage	Required		
Segment Notes	This segment is used to indicate the start of the transaction.		
Example	ST*271*00001~		

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code <b>271</b>	
ST02	R	Transaction Set Control Number	This number is assigned locally by the sender and should match the value in the corresponding SE segment.

Segment Name	Beginning of Hierarchical Transaction		
Segment ID	BHT		
Loop ID	N/A		
Usage	Required		
Segment Notes	This segment is used to provide the transaction creation date and time and to return the identifier.		
Example	BHT*0022*11**20020202*0800*~		

Element ID	Usage	Guide Description/Valid Values	Comments
BHT01	R	Hierarchical Structure Code <b>0022</b> - Information Source	
BHT02	R	Transaction Set Purpose Code <b>11</b> - Response	
BHT03	S	Submitter Transaction Identifier	Not Used
BHT04	R	Transaction Set Creation Date	

BHT05	R	Transaction Set Creation Time	
BHT06	N/A	Transaction Type Code	Not Used

Segment Name	Information Source Level
<b>Segment ID</b>	HL
<b>Loop ID</b>	2000A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the information level (source).
<b>Example</b>	HL*1**20*1~

Element ID	Usage	Guide Description/Valid Values	Comments
HL01	R	Hierarchical ID Number	
HL02	N/A	Hierarchical Parent ID Number	Not Used
HL03	R	Hierarchical Level Code <b>20</b> – Information Source	
HL04	R	Hierarchical Child Code <b>1</b> – Additional Subordinate HL Data Segment in this hierarchical structure <b>0</b> – No Subordinate HL Segment in this hierarchical structure	A <b>0</b> is returned when a source level error occurred in the 270 transaction Examples of source level errors: <ul style="list-style-type: none"> <li>Unrecognized payer</li> </ul> See also 2100A AAA03 Reject Reason Codes

Segment Name	Information Source Name
<b>Segment ID</b>	NM1
<b>Loop ID</b>	2100A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to identify the entity providing the eligibility and benefit limitation information.
<b>Example</b>	NM1*P5*2*CHILDREN'S SPECIAL HEALTH CARE*****FI*356000158**~

Element ID	Usage	Guide Description/Valid Values	Comments
NM101	R	Entity Identifier Code <b>PR</b> – Payer	
NM102	R	Entity Type Qualifier <b>2</b> – Non-Person Entity	
NM103	S	Organization Name <b>CHILDREN'S SPECIAL HEALTH CARE</b>	
NM104	S	Information Source First Name	Not used by ISDH

Element ID	Usage	Guide Description/Valid Values	Comments
NM105	S	Information Source Middle Name	Not used by ISDH
NM106	N/A	Name Prefix	Not Used
NM107	S	Information Source Name Suffix	Not used by ISDH
NM108	R	Identification Code Qualifier <b>FI</b> – Federal Tax Payer Identification Number	
NM109	R	Information Source Primary Identifier <b>356000158</b>	
NM110	N/A	Entity Relationship Code	Not Used
NM111	N/A	Entity Identifier Code	Not Used

Segment Name	Request Validation
<b>Segment ID</b>	PER
<b>Loop ID</b>	2100A
<b>Usage</b>	Situational
<b>Segment Notes</b>	To identify a person or office to whom administrative communications should be directed
<b>Example</b>	PER*IC*CHILDREN'S SPECIAL HEALTH CARE*TE*8004751355*TE*3172331351~

Element ID	Usage	Guide Description/Valid Values	Comments
PER01	R	Contact Function Code <b>IC</b>	
PER02	S	Information Source Contact Name <b>CHILDREN'S SPECIAL HEALTH CARE</b>	
PER03	S	Communication Number Qualifier <b>TE</b> - Telephone	
PER04	S	Communication Number <b>8004751355</b>	
PER05	S	Communication Number Qualifier <b>TE</b>	
PER06	S	Communication Number <b>3172331351</b>	
PER07		Communication Number Qualifier	ISDH Not Used
PER08		Communication Number	ISDH Not Used
PER09		Contact Inquiry Reference	Not Used

Segment Name	Information Receiver Level
Segment ID	HL
Loop ID	2000B
Usage	Situational
Segment Notes	This segment is used to identify the information level (receiver).
Example	HL*2*1*21*1~

Element ID	Usage	Guide Description/Valid Values	Comments
HL01	R	Hierarchical ID Number	
HL02	R	Hierarchical Parent ID Number	
HL03	R	Hierarchical Level Code <b>21</b> – Information Receiver	
HL04	R	Hierarchical Child Code <b>1</b> – Additional Subordinate HL Data Segment in this hierarchical structure <b>0</b> – No Subordinate HL Data Segment in the hierarchical structure	A <b>0</b> is returned when a receiver level error occurred in the 270 transaction

Segment Name	Information Receiver Name
Segment ID	NM1
Loop ID	2100B
Usage	Required
Segment Notes	This segment is used to identify the entity that initiated the 270 and is receiving the eligibility and benefit limitation information.
Example	NM1*1P*2*Mayberry*****XX*1234567890**~

Element ID	Usage	Guide Description/Valid Values	Comments
NM101	R	Entity Identifier Code	Returned from the 270 transaction
NM102	R	Entity Type Qualifier <b>2</b> – Non-Person Entity	All providers are considered non-person entities by ISDH definition.
NM103	S	Information Receiver Last or Organization Name	
NM104	S	Information Receiver First Name	
NM105	S	Information Receiver Middle Name	
NM106	N/A	Name Prefix	Not Used
NM107	S	Information Receiver Name Suffix	
NM108	R	Identification Code Qualifier <b>XX</b> – National Provider ID	‘XX’ will be the qualifier code when an NPI is returned
NM109	R	Information Receiver Identification Number	NPI
NM110	N/A	Entity Relationship Code	Not Used

Element ID	Usage	Guide Description/Valid Values	Comments
NM111	N/A	Entity Identifier Code	Not Used

Segment Name	Information Receiver Request Validation
Segment ID	AAA
Loop ID	2100B
Usage	Situational
Segment Notes	This segment is used to indicate a receiver level error.
Example	AAA*N**51*C~

Element ID	Usage	Guide Description/Valid Values	Comments
AAA01	R	Valid Request Indicator N – No	
AAA02	N/A	Agency Qualifier Code	Not Used
AAA03	R	Reject Reason Code 51 – Provider Not on File	
AAA04	R	Follow-up Action Code C – Please Correct and Resubmit	

Segment Name	Subscriber Level
Segment ID	HL
Loop ID	2000C
Usage	Situational
Segment Notes	This segment is used to identify the information level (subscriber).
Example	HL*3*2*22*0~

Element ID	Usage	Guide Description/Valid Values	Comments
HL01	R	Hierarchical ID Number	
HL02	R	Hierarchical Parent ID Number	
HL03	R	Hierarchical Level Code 22 – Subscriber	
HL04	R	Hierarchical Child Code 0 – No Subordinate HL Segment in this hierarchical structure	This is always 0 because the dependent level is not supported by ISDH.

Segment Name	Subscriber Trace Number
Segment ID	TRN
Loop ID	2000C
Usage	Situational
Segment Notes	This segment is used to return trace numbers submitted on the requesting 270 transaction
Example	TRN*2*98765-12345*9876543210*~

Element ID	Usage	Guide Description/Valid Values	Comments
TRN01	R	Trace Type Code <b>2</b> – Referenced Transaction Trace Numbers	
TRN02	R	Trace Number	Returned from the 270 transaction
TRN03	R	Trace Assigning Entity Identifier	Returned from the 270 transaction
TRN04	S	Trace Assigning Entity Additional Identifier	Not Used by ISDH

Segment Name	Subscriber Name
Segment ID	NM1
Loop ID	2100C
Usage	Required
Segment Notes	This segment is used to identify the subscriber whose information is being requested.
Example	NM1*IL*1*Doe*Jane*A***MI*123456**~

Element ID	Usage	Guide Description/Valid Values	Comments
NM101	R	Entity Identifier Code <b>IL</b> – Insured or Subscriber	
NM102	R	Entity Type Qualifier <b>1</b> – Person	
NM103	S	Subscriber Last Name	
NM104	S	Subscriber First Name	
NM105	S	Subscriber Middle Name	
NM106	S	Name Prefix	Not Used by ISDH
NM107	S	Subscriber Name Suffix	Not Used by ISDH
NM108	S	Identification Code Qualifier <b>MI</b> – Member Identification Number	
NM109	R	Subscriber Primary Identifier	This is the 6-digit CSHCS number
NM110	N/A	Entity Relationship Code	Not Used
NM111	N/A	Entity Identifier Code	Not Used

Segment Name	Subscriber Additional Identification
<b>Segment ID</b>	REF
<b>Loop ID</b>	2100C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide any Health Insurance Claim Number, Social Security Number, and/or Patient Account Number that was sent on the 270 transaction.
<b>Example</b>	REF*SY*123456789**~

Element ID	Usage	Guide Description/Valid Values	Comments
REF01	R	Reference Identification Qualifier <b>EJ</b> – Patient Account Number <b>SY</b> – Social Security Number	Returned from the 270 transaction
REF02	R	Subscriber Supplemental Identifier	Returned from the 270 transaction
REF03	S	Plan Sponsor Name	Not Used by ISDH
REF04	N/A	Reference Identifier	Not Used

Segment Name	Subscriber Address
<b>Segment ID</b>	N3
<b>Loop ID</b>	2100C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide the subscriber address.
<b>Example</b>	N3*1234 Meridian*Apt 1E~

Element ID	Usage	Guide Description/Valid Values	Comments
N301	R	Subscriber Address Line	
N302	S	Subscriber Address Line	

Segment Name	Subscriber City/State/ZIP Code
<b>Segment ID</b>	N4
<b>Loop ID</b>	2100C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide the subscriber address.
<b>Example</b>	N4*Indianapolis*IN*46205***~

Element ID	Usage	Guide Description/Valid Values	Comments
N401	S	Subscriber City Name	

N402	S	Subscriber State or Province Code	
N403	S	Subscriber Postal Code	
N404	S	Country Code	Not Used by ISDH
N405	S	Location Qualifier	Not Used by ISDH
N406	S	Location Identification Code	Not Used by ISDH

Segment Name	Subscriber Request Validation
<b>Segment ID</b>	AAA
<b>Loop ID</b>	2100C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to indicate a subscriber level error.
<b>Example</b>	AAA*N**71*C~

Element ID	Usage	Guide Description/Valid Values	Comments
AAA01	R	Valid Request Indicator N – No Y-Yes	
AAA02	N/A	Agency Qualifier Code	Not Used
AAA03	R	Reject Reason Code 42 - Unable to Respond at Current Time 57 - Invalid/Missing Date(s) of Service 58 - Invalid/Missing Date-of-Birth 60 - Date of Birth Follows Date Of Service 63 - Date of Service in Future 64 - Invalid/Missing Patient ID 65 - Invalid/Missing Patient Name 67 - Patient Not Found 68 - Duplicate Patient Id Number 71 - Patient Birth Date Does Not Match That for the Patient on the Database	
AAA04	R	Follow-up Action Code C – Please Correct and Resubmit	

Segment Name	Subscriber Demographic Information
<b>Segment ID</b>	DMG
<b>Loop ID</b>	2100C



<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide the subscriber's date of birth.
<b>Example</b>	DMG*D8*19500204*****~

Element ID	Usage	Guide Description/Valid Values	Comments
DMG01	S	Date Time Period Format Qualifier	
DMG02	S	Subscriber Birth Date	
DMG03	S	Subscriber Gender Code	Not Used by ISDH
DMG04	N/A	Marital Status Code	Not Used
DMG05	N/A	Race or Ethnicity Code	Not Used
DMG06	N/A	Citizenship Status Code	Not Used
DMG07	N/A	Country Code	Not Used
DMG08	N/A	Basis of Verification Code	Not Used
DMG09	N/A	Quantity	Not Used

<b>Segment Name</b>	<b>Subscriber Date</b>
<b>Segment ID</b>	DTP
<b>Loop ID</b>	2100C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide the date range for the information requested.
<b>Example</b>	DTP*307*RD8*20021201-20021231~

Element ID	Usage	Guide Description/Valid Values	Comments
DTP01	R	Date Time Qualifier 307 - Eligibility	
DTP02	R	Date Time Period Format Qualifier	
DTP03	R	Date Time Period	If no subscriber date is sent for the 270 transaction, the 270 current processing date is used and returned.

<b>Segment Name</b>	<b>Subscriber Eligibility or Benefit Information</b>
<b>Segment ID</b>	EB
<b>Loop ID</b>	2110C
<b>Usage</b>	Situational
<b>Segment Notes</b>	This segment is used to provide requested eligibility or benefit limitation information. In many cases, this segment is used in conjunction with other segments in this loop.
<b>Example</b>	EB*1*IND*30*****~

Element ID	Usage	Guide Description/Valid Values	Comments
EB01	R	Eligibility or Benefit Information <b>1</b> – Active Coverage <b>6</b> – Inactive <b>7</b> – Inactive – Pending Eligibility Update <b>U</b> – Contact Following Entity for Eligibility or Benefit Information	Refer to the 271 Basic Eligibility and Benefit Limitations subheading following the 2120C PRV segment at the end of this section for a complete explanation of the usage for each of these codes.
EB02	S	Benefit Coverage Level Code <b>IND</b> – Individual	
EB03	S	Service Type Code <b>30</b> – Health Benefit Plan Coverage	
EB04	S	Insurance Type Code	Not Used by ISDH
EB05	S	Plan Coverage Description	Not Used by ISDH
EB06	S	Time Period Qualifier	Not Used by ISDH
EB07	S	Benefit Amount	Not Used by ISDH
EB08	S	Benefit Percent	Not Used by ISDH
EB09	S	Quantity Qualifier	Not Used by ISDH
EB10	S	Benefit Quantity	Not Used by ISDH
EB11	S	Authorization or Certification Indicator	Not Used by ISDH
EB12	S	In Plan Network Indicator	Not Used by ISDH
EB13	S	Composite Medical Procedure	Not Used by ISDH
EB13-1	R	Product or Service ID Qualifier	Not Used by ISDH
EB13-2	R	Procedure Code	Not Used by ISDH
EB13-3	S	Procedure Modifier	Not Used by ISDH
EB13-4	S	Procedure Modifier	Not Used by ISDH
EB13-5	S	Procedure Modifier	Not Used by ISDH
EB13-6	S	Procedure Modifier	Not Used by ISDH
EB13-7	N/A	Description	Not Used

Segment Name	Subscriber Additional Identification
Segment ID	REF
Loop ID	2110C
Usage	Situational
Segment Notes	This segment is used to provide other third party identification numbers.
Example	REF*IG*123456789**~

Element ID	Usage	Guide Description/Valid Values	Comments
REF01	R	Reference Identification Qualifier	

		<b>IG – Insurance Policy Number</b>	
REF02	R	Subscriber Eligibility or Benefit Identifier	
REF03	S	Plan Sponsor Name	Not Used by ISDH
REF04	N/A	Reference Identifier	Not Used

Segment Name	Transaction Set Trailer
<b>Segment ID</b>	SE
<b>Loop ID</b>	N/A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to indicate the end of the transaction.
<b>Example</b>	SE*20*00001~

Element ID	Usage	Guide Description/Valid Values	Comments
SE01	R	Number of Included Segments	
SE02	R	Transaction Set Control Number	This number is assigned locally by the sender and should match the value in the corresponding ST segment.

### Example of a 271 Transaction

```

ST*271*00001~
BHT*0022*11**20020202*0800*~
HL*1**20*1~
NM1*P5*2*CHILDREN'S SPECIAL HEALTH
CARE*****FI*356000158**~
PER*IC*CHILDREN'S SPECIAL HEALTH
CARE*TE*8004751355*TE*3172331351~
HL*2*1*21*1~
NM1*1P*2*Mayberry*****SV*123456**~
AAA*N**51*C~ (Only if a 270 receiver error occurred)
HL*3*2*22*0~
TRN*2*98765-12345*9876543210*~
NM1*IL*1*Doe*Jane*A***MI*123456**~
REF*SY*123456789**~
N3*1234 Meridian*Apt 1E~
N4*Indianapolis*IN*46205***~
AAA*N**71*C~ (Only if a 270 subscriber error occurred)
DMG*D8*19500204*****~
DTP*307*RD8*20021201-20021231~
EB*1*IND*30*****~
REF*IG*123456789**~
SE*20*00001~

```

## Section 4: Acknowledgements

### 997 Functional Acknowledgement Outbound

A functional acknowledgment is generated to report the acceptance or rejection of functional group, transaction set, or segment. ISDH generates an outbound 997 to acknowledge all inbound transactions. The software used by ISDH is Mercator Software's Healthcare Integration Package. Mercator's method for creating 997 acknowledgements is to run data through a compliance map. The compliance map is defined to validate the EDI data against the complete HIPAA standard transaction set definition.

ISDH's direction was to take the standard HIPAA compliance maps created by Mercator without modifications. If transactions contain errors, the entire ST\*SE is rejected. Any additional functional groups within the ISA-IEA are accepted provided data meets compliance rules.

Segment Name	Transaction Set Header
Segment ID	ST
Loop	N/A
Usage	Required
Segment Notes	
Example	ST*997*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code <b>997</b> – Functional Acknowledgement	
ST02	R	Transaction Set Control Number	This number is assigned locally matches the value in the corresponding SE segment.

Segment Name	Functional Group Response Header
Segment ID	AK1
Loop	N/A
Usage	Required
Segment Notes	This segment is used to respond to the functional group information in the interchange envelope.
Example	AK1*HS*1~

Element ID	Usage	Guide Description/Valid Values	Comments
AK101	R	Functional Identifier Code <b>HS</b> - Eligibility, Coverage or Benefit Inquiry	

Element ID	Usage	Guide Description/Valid Values	Comments
		(270)	
AK102	R	Transaction Set Control Number	This data element contains the value from the GS06 data element from the GS segment of the original file being acknowledged.

Segment Name	Transaction Set Response Header
Segment ID	AK2
Loop	AK2
Usage	Situational
Segment Notes	This segment is used to start the acknowledgment of a transaction set. If there are no errors at the transaction set level, this segment is not returned.
Example	AK2*270*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
AK201	R	Functional Identifier Code <b>270-</b> Eligibility, Coverage or Benefit Inquiry)	
AK202	R	Transaction Set Control Number	This data element contains the value from the ST02 data element from the ST segment of the original file being acknowledged.

Segment Name	Data Segment Note
Segment ID	AK3
Loop	AK2/AK3
Usage	Situational
Segment Notes	This segment is used to report segment/looping errors in the submitted transaction.
Example	AK3*NM1*4**8~

Element ID	Usage	Guide Description/Valid Values	Comments
AK301	R	Segment ID Code	This data element lists the two or three byte segment ID that contains the error, such as ST, SBR.
AK302	R	Segment Position in Transaction Set	This data element contains the sequential position of the Segment ID identified in AK301. This count begins with <b>1</b> for the ST segment and

			increments by <b>1</b> from that point.
AK303	S	Loop Identifier Code	This data element identifies the loop where the erroneous segment resides.
AK304	S	Segment Syntax Error Code <b>See code list in the IG</b>	This data element describes the type of error encountered.

Segment Name	Data Segment Note		
<b>Segment ID</b>	AK4		
<b>Loop</b>	AK2/AK3		
<b>Usage</b>	Situational		
<b>Segment Notes</b>	This segment is used to report data element/composite errors in the submitted transaction.		
<b>Example</b>	AK4*1**7*ZZ~		

Element ID	Usage	Guide Description/Valid Values	Comments
AK401	R	Position in Segment	This is a composite data element.
AK401-1	R	Segment Position in Transaction Set	This data element contains the sequential position of the simple data element or composite data structure. This count begins with <b>1</b> for the initial element and increments by <b>1</b> from that point.
AK401-2	S	Component Data Element Position in Composite	This data element identifies within the composite structure where the error occurs.
AK403	S	Data Element Reference Number	This is the Data Element Dictionary reference number associated with the erroneous data element/composite.
AK404	R	Data Element Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK405	S	Copy of Bad Data Element	

Segment Name	Transaction Set Response Trailer		
<b>Segment ID</b>	AK5		
<b>Loop</b>	AK2/AK3		
<b>Usage</b>	Required		
<b>Segment Notes</b>	This segment is used to acknowledge the acceptance or rejection of a transaction and any report errors.		
<b>Example</b>	AK5*R*5~		

Element ID	Usage	Guide Description/Valid Values	Comments
AK501	R	Transaction Set Acknowledgment Code <b>A</b> – Accepted <b>R</b> - Rejected	
AK502	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK503	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK504	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK505	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK506	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.

Segment Name	Functional Group Response Trailer
<b>Segment ID</b>	AK9
<b>Loop</b>	N/A
<b>Usage</b>	Required
<b>Segment Notes</b>	This segment is used to acknowledge the acceptance or rejection of a functional group and report the number of transaction sets originally included, received, and accepted.
<b>Example</b>	AK9*R*1*1*0~

Element ID	Usage	Guide Description/Valid Values	Comments
AK901	R	Functional Group Acknowledgment Code <b>A</b> – Accepted <b>P</b> – Partially Accepted, at least one transaction set was rejected <b>R</b> - Rejected	
AK902	S	Number of Transaction Sets Included	This data element contains the value from the GE01 data element from the GE segment of the original file being acknowledged.
AK903	S	Number of Received Transaction Sets	
AK904	S	Number of Accepted Transaction Sets	
AK905	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK906	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK907	S	Functional Group Syntax Error Code	This data element describes the

Element ID	Usage	Guide Description/Valid Values	Comments
		<b>See code list in IG</b>	type of error encountered.
AK908	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK909	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.

Segment Name	Transaction Set Trailer
<b>Segment ID</b>	SE
<b>Loop</b>	N/A
<b>Usage</b>	Required
<b>Segment Notes</b>	
<b>Example</b>	SE*8*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Number of Included Segments	This is the total number of segments included in this acknowledgment. This value includes the ST and SE segments.
ST02	R	Transaction Set Control Number	This number is assigned locally and matches the value in the preceding ST segment.

### Example of 997 Functional Acknowledgement

This example illustrates a 270 transaction rejected due to an invalid NM101:

```

ST*997*0001~
AK1*HS*1~
AK2*270*0001~
AK3*NM1*4**8~
AK4*1**7*ZZ~
AK5*R*5~
AK9*R*1*1*0~
SE*8*0001~

```



## 997 Functional Acknowledgement Inbound

ISDH expects a functional acknowledgement in response to all outbound transactions. The software used to automatically reconcile outbound transaction sets to inbound acknowledgments is Mercator Software's Commerce Manager Product.

Segment Name	Transaction Set Header
Segment ID	ST
Loop	N/A
Usage	Required
Segment Notes	
Example	ST*997*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code <b>997</b> – Functional Acknowledgement	
ST02	R	Transaction Set Control Number	This number is assigned locally matches the value in the corresponding SE segment.

Segment Name	Functional Group Response Header
Segment ID	AK1
Loop	N/A
Usage	Required
Segment Notes	This segment is used to respond to the functional group information in the interchange envelope.
Example	AK1*HB*1~

Element ID	Usage	Guide Description/Valid Values	Comments
AK101	R	Functional Identifier Code <b>HB</b> - Eligibility, Coverage or Benefit Information (271)	
AK102	R	Transaction Set Control Number	This data element contains the value from the GS06 data element from the GS segment of the original file being acknowledged.

Segment Name	Transaction Set Response Header
Segment ID	AK2
Loop	AK2
Usage	Situational
Segment Notes	This segment is used to start the acknowledgment of a transaction set. If there are no errors at the transaction set level, this segment is not returned.
Example	AK2*271*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
AK201	R	Functional Identifier Code <b>271</b> - Eligibility, Coverage or Benefit Information	
AK202	R	Transaction Set Control Number	This data element contains the value from the ST02 data element from the ST segment of the original file being acknowledged.

Segment Name	Data Segment Note
Segment ID	AK3
Loop	AK2/AK3
Usage	Situational
Segment Notes	This segment is used to report segment/looping errors in the submitted transaction.
Example	AK3*NM1*4**8~

Element ID	Usage	Guide Description/Valid Values	Comments
AK301	R	Segment ID Code	This data element lists the two or three byte segment ID that contains the error, such as ST, SBR.
AK302	R	Segment Position in Transaction Set	This data element contains the sequential position of the Segment ID identified in AK301. This count begins with <b>1</b> for the ST segment and increments by <b>1</b> from that point.
AK303	S	Loop Identifier Code	This data element identifies the loop where the erroneous segment resides.
AK304	S	Segment Syntax Error Code <b>See code list in the IG</b>	This data element describes the type of error encountered.

Segment Name	Data Segment Note
Segment ID	AK4
Loop	AK2/AK3
Usage	Situational
Segment Notes	This segment is used to report data element/composite errors in the submitted transaction.
Example	AK4*1**7*ZZ~

Element ID	Usage	Guide Description/Valid Values	Comments
AK401	R	Position in Segment	This is a composite data element.
AK401-1	R	Segment Position in Transaction Set	This data element contains the sequential position of the simple data element or composite data structure. This count begins with <b>1</b> for the initial element and increments by <b>1</b> from that point.
AK401-2	S	Component Data Element Position in Composite	This data element identifies within the composite structure where the error occurs.
AK403	S	Data Element Reference Number	This is the Data Element Dictionary reference number associated with the erroneous data element/composite.
AK404	R	Data Element Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK405	S	Copy of Bad Data Element	

Segment Name	Transaction Set Response Trailer
Segment ID	AK5
Loop	AK2/AK3
Usage	Required
Segment Notes	This segment is used to acknowledge the acceptance or rejection of a transaction and any report errors.
Example	AK5*R*5

Element ID	Usage	Guide Description/Valid Values	Comments
AK501	R	Transaction Set Acknowledgment Code <b>A – Accepted</b> <b>R - Rejected</b>	
AK502	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK503	S	Transaction Set Syntax Error Code	This data element describes the

		<b>See code list in IG</b>	type of error encountered.
AK504	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK505	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK506	S	Transaction Set Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.

Segment Name	Functional Group Response Trailer		
<b>Segment ID</b>	AK9		
<b>Loop</b>	N/A		
<b>Usage</b>	Required		
<b>Segment Notes</b>	This segment is used to acknowledge the acceptance or rejection of a functional group and report the number of transaction sets originally included, received, and accepted.		
<b>Example</b>	AK9*R*1*1*0~		

Element ID	Usage	Guide Description/Valid Values	Comments
AK901	R	Functional Group Acknowledgment Code <b>A – Accepted</b> <b>P – Partially Accepted, at least one transaction set was rejected</b> <b>R - Rejected</b>	
AK902	S	Number of Transaction Sets Included	This data element contains the value from the GE01 data element from the GE segment of the original file being acknowledged.
AK903	S	Number of Received Transaction Sets	
AK904	S	Number of Accepted Transaction Sets	
AK905	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK906	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK907	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK908	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.
AK909	S	Functional Group Syntax Error Code <b>See code list in IG</b>	This data element describes the type of error encountered.

Segment Name	Transaction Set Trailer
Segment ID	SE
Loop	N/A
Usage	Required
Segment Notes	
Example	SE*8*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
SE01	R	Number of Included Segments	This is the total number of segments included in this acknowledgment. This value includes the ST and SE segments.
SE02	R	Transaction Set Control Number	This number is assigned locally and matches the value in the preceding ST segment.

### Example of 997 Functional Acknowledgement

This example illustrates a 271 transaction rejected due to an invalid NM101:

```

ST*997*0001~
AK1*HB*1~
AK2*271*0001~
AK3*NM1*4**8~
AK4*1**7*ZZ~
AK5*R*5~
AK9*R*1*1*0~
SE*8*0001~

```

## TA1 Interchange Acknowledgement Outbound

TA1 or Interchange Acknowledgements validate the envelopes only. ISDH will generate an Interchange acknowledgment only in the event there are envelope errors. ISDH will not generate TA1 acknowledgements for accepted envelopes. The software used by ISDH is Mercator's Healthcare Integration Package. Mercator's method for creating TA1 acknowledgements is to run data through a compliance map. The compliance map is defined to validate the EDI data against the complete HIPAA standard transaction set definition.

ISDH's direction was to take the standard HIPAA compliance maps created by Mercator without modifications.

If the ISA or IEA envelope contain error(s), the entire ISA\*IEA is rejected.

If the GS or GE envelope contain error(s) the entire GS\*GE is rejected. In this case, any additional functional groups within the ISA-IEA are accepted provided data meets enveloping rules.

Segment Name	Transaction Set Header
Segment ID	TA1
Loop	N/A
Usage	Required
Segment Notes	
Example	TA1*000000001*000101*0000*R*022

Element ID	Usage	Guide Description/Valid Values	Comments
TA101	R	Interchange Control Number	This is the interchange control number of the original interchange that this TA1 is acknowledging.
TA102	R	Interchange Date	This is the date of the original interchange to be acknowledged (YYMMDD)
TA103	R	Interchange Time	This is the time of the original interchange being acknowledged
TA104	R	Interchange Acknowledgment Code <b>See code list in the IG</b>	Indicates "E" for accepted but errors noted or "R" for Rejected because of errors.
TA105	R	Interchange Note Code <b>See code list in the IG</b>	See IG for list of codes and descriptions

### **Example of TA1 Interchange Acknowledgement**

This example illustrates an Interchange rejected due to an invalid Usage Indicator (ISA15):

```
ISA*00*                *00*                *ZZ*ISDH
*ZZ*RECVR              *030919*1326*U*00401*000000001*0*X*:
TA1*000000003*010806*1200*R*020
IEA*0*000000001
```

## 824 Application Advice

The 824 Application advice will be ISDH's response to type 4 (inter-segment and situation testing) errors. ISDH will generate an 824 only in the event there are type 4 errors. The software used by ISDH is Mercator's Healthcare Integration Package 3.1. Mercator's method for creating 824 application advice is to run data through a compliance map. The compliance map is defined to validate the EDI data against the complete HIPAA standard transaction set definition.

ISDH's direction was to take the standard HIPAA compliance maps created by Mercator without modifications.

If a transaction contains type 4 error(s), the entire transaction will be rejected.

Segment Name	Transaction Set Header
Segment ID	ST
Loop	N/A
Usage	Required
Segment Notes	
Example	ST*824*0001*004050X166~

Element ID	Usage	Guide Description/Valid Values	Comments
ST01	R	Transaction Set Identifier Code <b>824-Application Advice</b>	
ST02	R	Transaction Set Control Number	This number is assigned locally matches the value in the corresponding SE segment.
ST03	R	Implementation Convention Reference <b>004050X166</b>	

Segment Name	Beginning Segment
Segment ID	BGN
Loop	N/A
Usage	Required
Segment Notes	
Example	BGN*11*0002*20031002*1708**000000003**U~

Element ID	Usage	Guide Description/Valid Values	Comments
BGN01	R	Transaction Set Purpose Code <b>11 - Response</b>	
BGN02	R	Reference Identification	An unique transaction identification number
BGN03	R	Date	Format: CCYYMMDD



Element ID	Usage	Guide Description/Valid Values	Comments
BGN04	S	Time	Format: HHMM
BGN05	S	Time Code	ISDH Not used
BGN06	S	Reference Identification	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
BGN07	O	Transaction Type Code	ISDH Not used
BGN08	O	Action Code	
BGN09	O	Security Level Code	ISDH Not used

Segment Name	N1 Name
Segment ID	N1
Loop	N/A
Usage	Situational
Segment Notes	<p>1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.</p> <p>2. N105 and N106 further define the type of entity in N101.</p>
Example	NEED EXAMPLE HERE

Element ID	Usage	Guide Description/Valid Values	Comments
N101	R	Entity Identifier Code	<b>P5</b> - Plan Sponsor <b>PR</b> - Payer
N102	S	Name	
N103	O	Identification Code Qualifier	ISDH Not used
N104	O	Identification Code	ISDH Not used
N105	O	Entity Relationship Code	ISDH Not used
N106	O	Entity Identifier Code	ISDH Not used

Segment Name	OTI Original Transaction Identification
Segment ID	OTI
Loop	N/A
Usage	Required
Segment Notes	
Example	OTI*TR*TN*0002***20010101*120000*1*0002*270*004010X092A1~

Element ID	Usage	Guide Description/Valid Values	Comments
OTI01	R	Application Acknowledgement Code <b>TR</b> - Transaction Set Reject	

Element ID	Usage	Guide Description/Valid Values	Comments
OTI02	R	Reference Identification Qualifier <b>TN</b> - Transaction Reference Number	
OTI03	R	Reference Identification Original transaction Segment: <b>ST02</b>	This is the reference number from the original transaction that is being rejected by this 824 advice.
OTI04	O	Application Sender's Code	Not Used
OTI05	O	Application Receiver's Code	Not Used
OTI06	O	Date	Format: CCYYMMDD
OTI07	O	Time	Format: HHMMSSDD,
OTI08	S	Group Control Number	Assigned number originated and maintained by the sender
OTI09	S	Transaction Set Control Number Original transaction Segment: <b>ST02</b>	Assigned by the originator for a transaction set
OTI10	R	Transaction Set Identifier Code <b>270</b>	Original transaction set
OTI11	O	Version/Release/Industry Identifier Code <b>004010X092A1</b>	Not Used
OTI12	O	Transaction Set Purpose Code	Not Used
OTI13	O	Transaction Type Code	Not Used
OTI14	O	Application Type	Not Used
OTI15	O	Action Code	Not Used
OTI16	O	Transaction Handling Code	Not Used
OTI17	O	Status Reason Code	Not Used

Segment Name	QTY Quantity
Segment ID	QTY
Loop	N/A
Usage	Situational
Segment Notes	To specify quantity information
Example	NEED EXAMPLE HERE?

Element ID	Usage	Guide Description/Valid Values	Comments
QTY01	R	Quantity Qualifier	
QTY02	X	Quantity	Not Used
QTY03	X	Composite Unit of Measure	
C00101	R	Unit or Basis for Measurement Code	Not Used
C00102	X	Exponent	Not Used

Element ID	Usage	Guide Description/Valid Values	Comments
C00103	X	Multiplier	Not Used
C00104	X	Unit or Basis for Measurement Code	Not Used
C00105	X	Exponent	Not Used
C00106	X	Multiplier	Not Used
C00107	X	Unit or Basis for Measurement Code	Not Used
C00108	X	Exponent	Not Used
C00109	X	Multiplier	Not Used
C00110	X	Unit or Basis for Measurement Code	Not Used
C00111	X	Exponent	Not Used
C00112	X	Multiplier	Not Used
C00113	X	Unit or Basis for Measurement Code	Not Used
C00114	X	Exponent	Not Used
C00115	X	Multiplier	Not Used
QTY04	X	Free-Form Message	Not Used

Segment Name	TED Technical Error Description
Segment ID	TED
Loop	N/A
Usage	Situational
Segment Notes	To identify the error and, if feasible, the erroneous segment, or data element, or both
Example	TED*848*32756 EQ must be present.*HL*11*3~

Element ID	Usage	Guide Description/Valid Values	Comments
TED01	R	Application Error Condition Code <b>848</b> - Incorrect Data	Code indicating application error condition. Please <b>X12 Notes</b> for the error code information
TED02	S	Free Form Message	
TED03	O	Segment ID Code	Code defining the segment ID of the data segment in error
TED04	O	Segment Position in Transaction Set	The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1
TED05	O	Element Position in Segment	This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in

Element ID	Usage	Guide Description/Valid Values	Comments
			error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID
TED06		Data Element Reference Number	NOT USED
TED07		Copy of Bad Data Element	NOT USED
TED08		Data Element New Content	NOT USED

Segment Name	NTE Note/Special Instruction
Segment ID	NTE
Loop	N/A
Usage	NOT USED
Segment Notes	This Segment is checking Dependent
Example	

Element ID	Usage	Guide Description/Valid Values	Comments
NTE01	R	Note Reference Code	NOT USED
NTE02	R	Description	NOT USED

Segment Name	Transaction Set Trailer
Segment ID	SE
Loop	N/A
Usage	Required
Segment Notes	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Example	SE*5*0001~

Element ID	Usage	Guide Description/Valid Values	Comments
SE01	R	Number of Included Segments	This is the total number of segments included in this acknowledgment. This value includes the ST and SE segments.
SE02	R	Transaction Set Control Number	This number is assigned locally and matches the value in the preceding ST segment.

### **Example of 824 Application Advice**

This example illustrates an 824 Application Response to a missing dependent loop:

```
ISA*00*                *00*                *ZZ*ISDH                *ZZ*
*031002*1708*U*00401*000000001*0*T*:~
GS*AG*CSHCS*          *20031002*1708*1*X*004050X166~
ST*824*0001*004050X166~
BGN*11*0002*20031002*1708**000000003**U~
OTI*TR*TN*0002***20010101*120000*1*0002*270*004010X092A1~
TED*848*32756 EQ must be present.*HL*11*3~
SE*5*0001~
GE*1*1~
IEA*1*000000001~
```